

## General Information

Covers: E1W &amp; E1N Chassis

CRT: A66EAK71X01

A59EAK71X01

Remote Control:

01-1061-2 (RC400)

Door Flap:

83-4137-0/301000 (T28 NE50)

83-5577-0-001C (T25 NE60)

83-4229-6/30100 (D25 TEE5)

83-5577-0-002C (T25 TE60)

Main Power Button:

83-5582-7-001C

(T25 TE60 and T25 NE60)

83-4111-67-001

(T28 NE50 and D25 TEE5)

## Matrix

Item	See Model
Safety Notes	Tatung A4 Chassis

## Recommended Safety Parts

Item	Part No.	Description
C419	14-6961-4	3n3 5% 2KV PP
C811	14-6649-6	1n5 5% 1.5K M/PP
C815	14-6991-6	33n 10% 1KV PP
C816	14-6977-0	3n3 20% 400AC R 12.5 Class Y
C911	14-6954-1	10n -20+50 2KV CD
FL801	15-7785-9	Choke Mains Filter 2 X 30mH 1A
FS801	21-2628-0	Fuse Holder 20 X 5mm 20/1305
FS801A	21-2939-6	Fuse Timelag 3.15A
IC801	19-8723-2	Voltage Reg STRS 6707 Sanken
IC802	19-8644-9	Opto-Isolator
R308	11-5759-0	10R 5% 0.6W M/F Flame Retard.
R422, R437	11-5734-5	1R2 5% 0.5W M/F Fusible
R423	11-5742-6	18R 5% 0.5W M/F Fusible
R506, R831	11-5758-2	4R7 5% 0.6W M/F Flame Retard.
R539	11-5738-8	4R7 5% 0.5W M/F Fusible
R6116, R6145	11-5749-3	6R8 5% 0.6W M/F F1 Ret.
R6119, R6131	11-5113-4	2R2 5% 0.25W C/F
R6121	11-2714-4	22R 5% 0.25W C/F
R6128	11-3430-2	10R 5% 0.25W C/F
R6314, R6315	11-5373-0	1R8 5% 0.5W F1 Ret.
R821, R836	11-5471-0	4M7 5% 0.5W M/Glaze
R828		
(E1W only)	11-5461-3	1R 5% 0.5W F1 Ret.
R828		
(E1N only)	11-5709-4	0R22 5% 1.0W M/F Fusible
R830	11-5756-6	1R0 5% 0.6 M/F Flame Retard.
R837	11-5759-0	10R 5% 0.6W M/F Flame Retard.
R838	11-5333-1	560K 5% 0.5W M/Glaze
R901	11-5743-4	22R 5% 0.5W M/F Fusible
R913, R933,		
R952	11-5746-9	1K 5% 0.5W M/F Fusible
R940	11-5738-8	4R7 5% 0.5W M/F Fusible
S801	20-4088-3	Switch ON/OFF P80/2116
SK903	25-2079-6	CRT Base Socket Narrow Neck

## Service Adjustments

## H.T. Adjustment

- With the receiver locked to a normal picture signal, reduce the brightness and contrast to minimum (for zero beam current).
- Connect a suitable voltmeter across CE414 and adjust RV820 for a reading of 150v DC.

## Modifications

- Item: 1  
Details of Change: Add Zener diode C33V, 1.3w,  $\pm 5\%$ , 33V, 19-8838-7 on track-side of main chassis PWB.

Reason: See appendices A and A1 for fitting instructions. To improve reliability of IC401, all models.

Ref. No (ECN): 85/9199  
Category: B

- Item: 2  
Details of Change: Delete C406, 470n, 14-6869-3

Reason: To improve reliability of IC401  
Ref. No (ECN): 85/9198  
Category: B  
Item: 3  
Details of Change: Replace with C406, 100n,  $\pm 10\%$ , 100v, 14-7213-5

Reason: On PE1N, PE1W, PE1PN and PE1GS chassis  
Category: B

- Item: 4  
Details of Change: Delete R405, 47 $\Omega$ , 11-5582-2  
Category: B

- Item: 5  
Details of Change: Replace with R405, 18 $\Omega$ ,  $\pm 5\%$ , 2W, 11-5761-2. Metal Oxide see assembly instructions, para's 1 and 2, appendix B.  
Category: B

- Item: 6  
Details of Change: Add C427, 100n,  $\pm 10\%$ , 100v, 14-7213-5. See assembly instructions para. 3, appendix B.  
Category: B

- Item: 7  
Details of Change: Add ferrite bead (15.8mm x 27.8mm x 7.8mm), 15-7848-0 and heat shrink sleeving (25mm x 0.5mm), 29-5986-0 to Lead Deflection Coil (field). See assembly instructions appendix C. To improve reliability of IC401. On PE1N, PE1W, PE1PN and PE1GS chassis.  
Ref. No (ECN): 85/9201  
Category: B

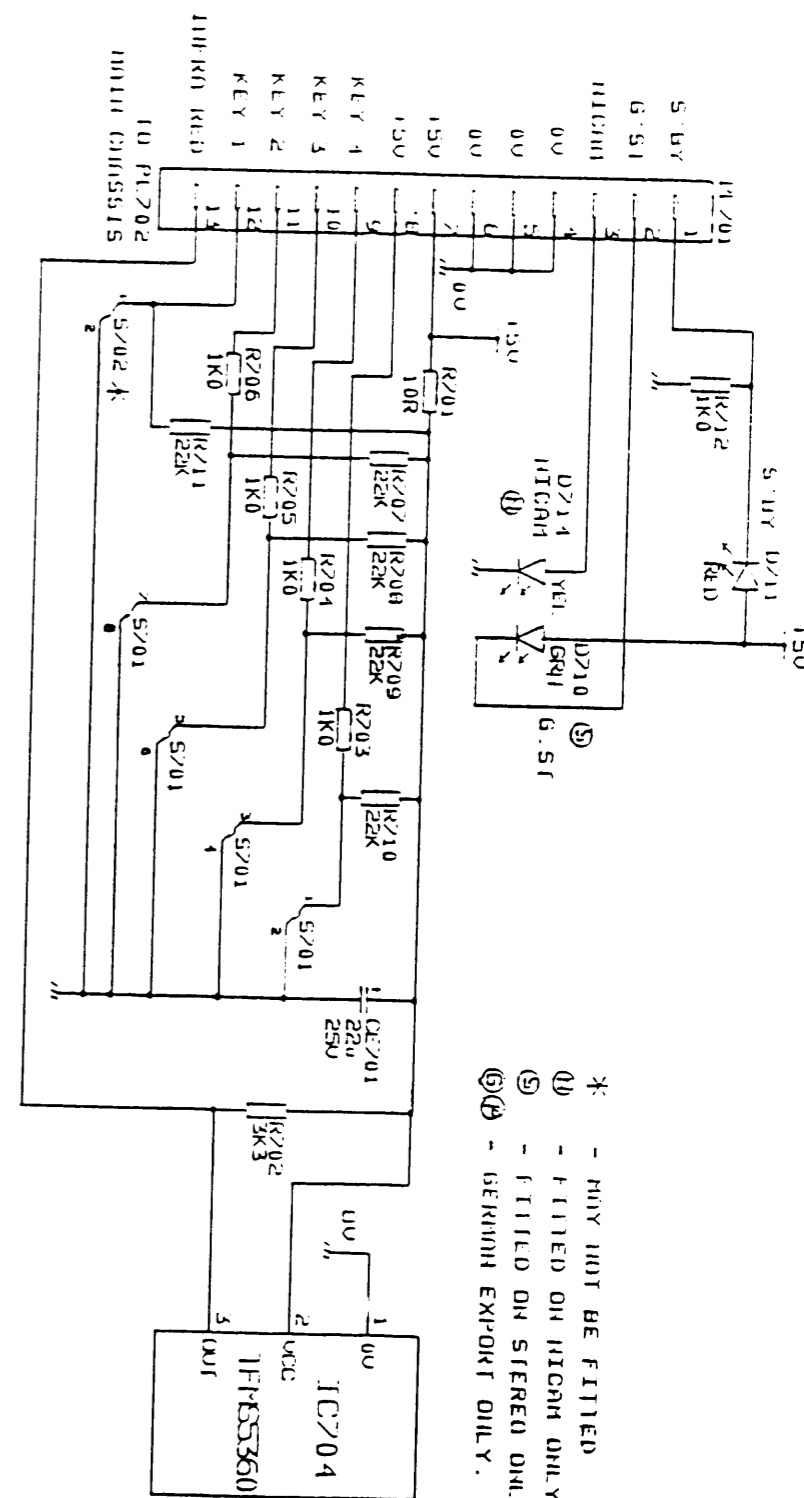
\* Category B: Recommended if problems experienced.

## Recommended Safety Parts

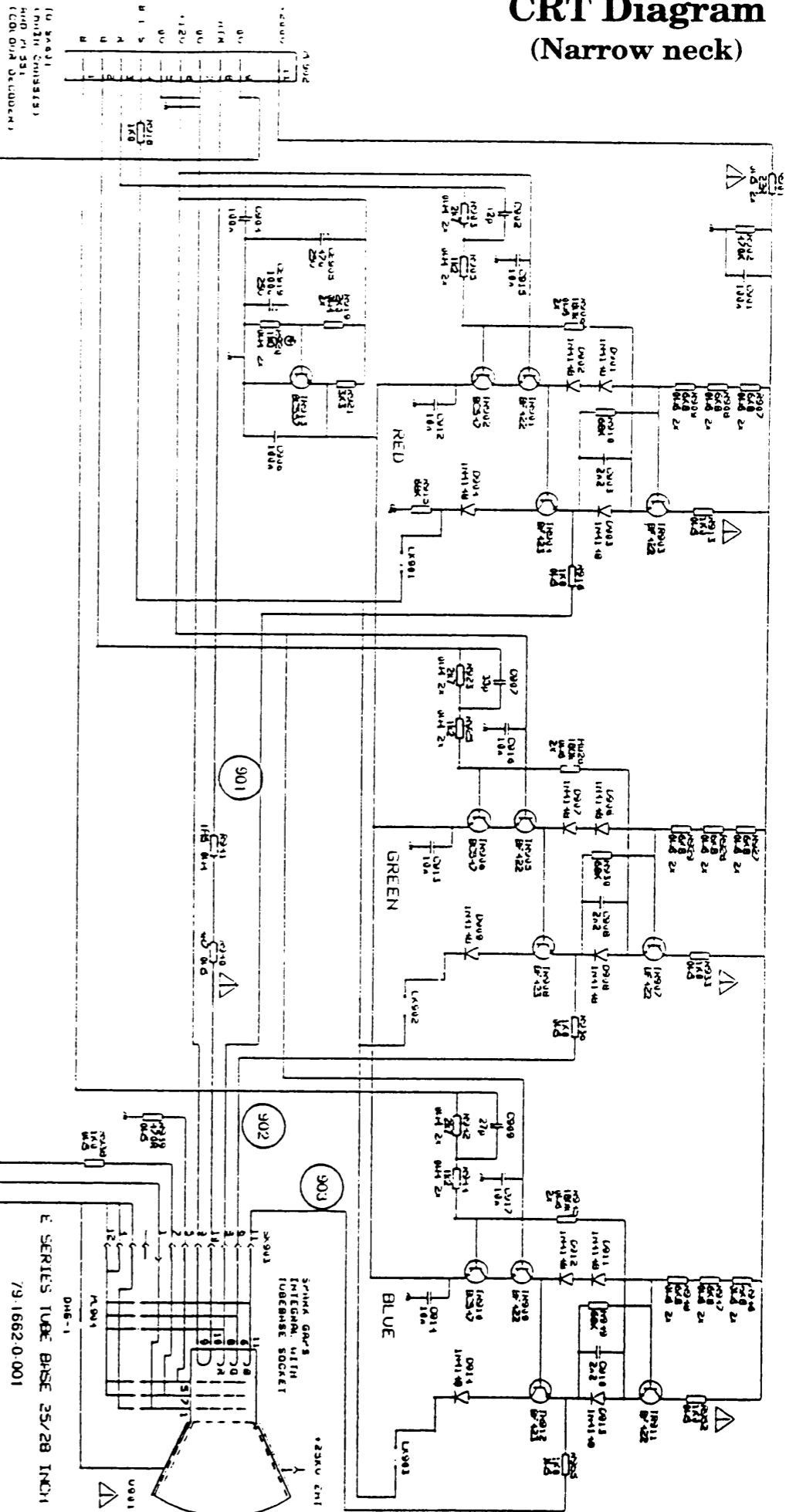
Item	Part No.	Description
T402	15-7870-7	Transformer Flyback
T801	87-0277-2-001	Transformer SM PSU

Type Codes:  
MP: Metalised Polyester  
PP: Polypropylene  
P: Polyester  
MPP: Metalised Polypropylene  
C: Ceramic Plate  
PS: Polystyrene  
E: Electrolytic  
CD: Ceramic Disc  
MPS: Metalised Polystyrene

## Control Panel Diagram



### CRT Diagram (Narrow neck)



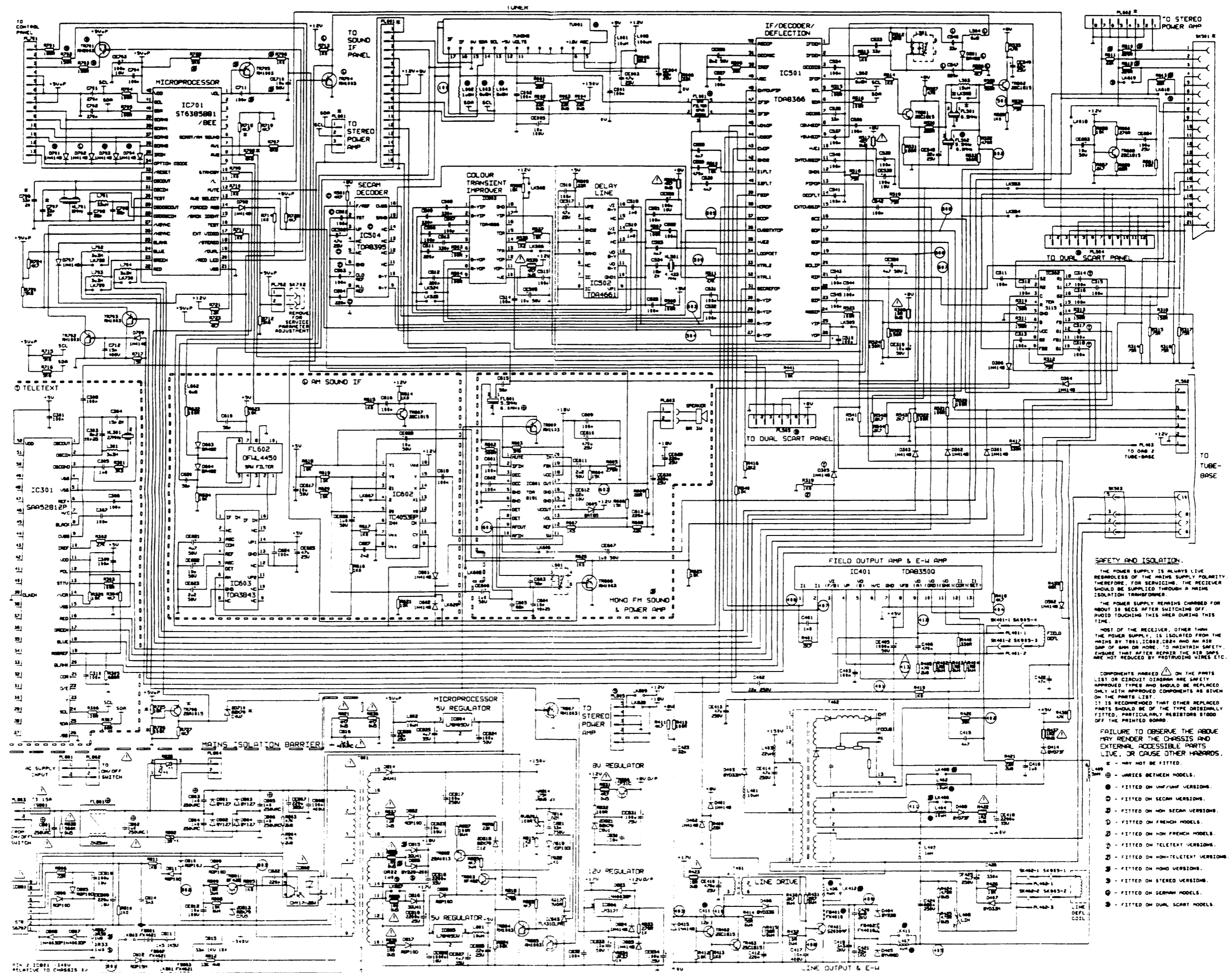
## Table 1

Component	Panasonic CRT	Philips CRT
F192U		820R
F192U	1k	

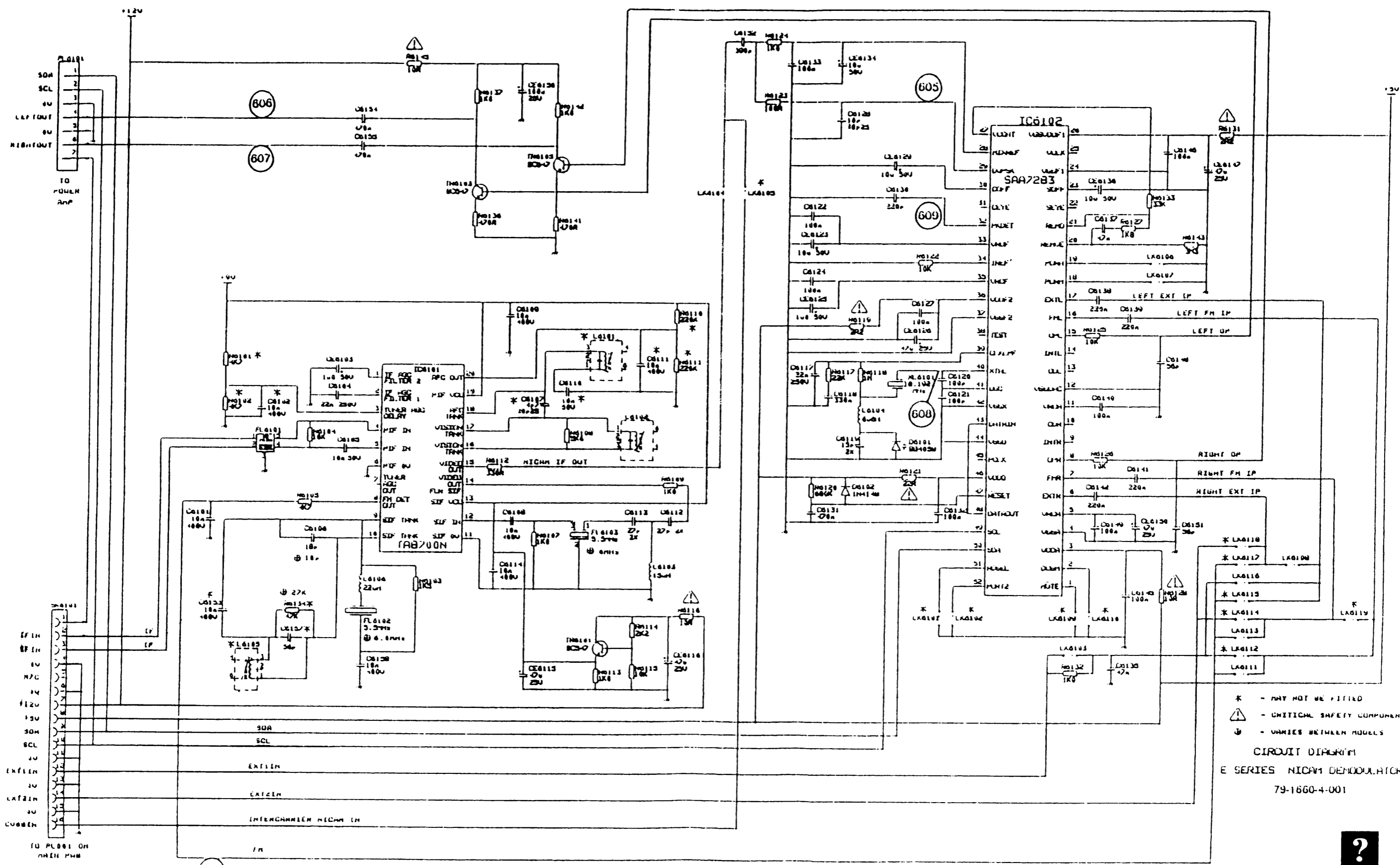
E SERIES TUBE BASE 25/28 INCH  
79-1662-0-001

Ⓢ - Varies with CMT: SEE TABLE 1

$\Delta$  - CRITICAL SAFETY COMPONENT

Main  
Diagram

NICAM Diagram



\* - MAY NOT BE FILLED  
! - CRITICAL SAFETY COMPONENT  
⊙ - VARIES BETWEEN MODELS  
CIRCUIT DIAGRAM  
E SERIES NICAM DEMODULATOR  
79-1660-4-001

